

Photon beam diagnostics for SOLEIL upgrade project

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SOLEIL is planning an upgrade of its storage ring in order to increase the photon beam brightness for users by reducing the electron beam transverse emittance. We present here the strategy in terms of diagnostics for electron beam size measurements. Due to the dramatic reduction of the beam sizes indeed, the machine diagnostics will also have to be updated and/or re-designed. We will also present on-going works to prepare those next generation diagnostics.